

TECHNIQUE ELECTORIAL COMMITTEE SELECTED

Sophomores Choose Classmates
to Serve as Elective Body to
Pick Board of Editors for
Technique 1920

MEETING MONDAY AT 5 P. M.

At elections held last Tuesday the personnel of the electoral committee for Technique 1920 was determined. A surprisingly large majority of the Sophomore class cast ballots, practically the entire class voting.

The first meeting of the newly elected committee will take place next Monday afternoon at 5 o'clock in room 10-267. This is to be an exceedingly important meeting and it is urgent that all members of the Sophomore class chosen to serve on the committee be present at that time. The election of temporary officers will then take place.

The board of the annual consists of an Editor-in-Chief, Business Manager, Treasurer, and department editors for Athletics, Portfolio, Societies, Grinds, Statistics, Photographs and Art. It is the special duty of the electoral committee to select these men to the offices which they will hold the following year. Careful consideration and deliberation is given towards the selection of the men filling the above positions.

The following members of the Sophomore class were elected to serve on the electoral committee: N. G. Abbot, R. P. Abercrombie, K. F. Akers, P. D. Ash, J. C. Barker, T. W. Bossert, L. E. Boyden, F. L. Bradley, M. S. Burroughs, G. H. Burt, B. F. Casey, W. L. Coffey, N. E. Dana, Florence Fogler, J. W. Kellar, H. Krantz, A. Kruse, W. K. MacMahon, G. R. McNear, W. O. Merryweather, O. A. Mills, R. G. Mosserop, J. Nash, E. D. Ryer, O. B. Sias, C. H. Talcott, J. H. Wilson, L. D. Wilson, W. L. Winant.

ANOTHER CALL FOR CREW CANDIDATES IS ISSUED

If Men Show More Interest An Attractive Schedule Can Be Arranged

Instead of working on the rowing machines from now until open water on the Charles, as in former years, the crew candidates will get into condition by running on the track. Every man must report at the track house at 4 o'clock on Tuesdays, Wednesdays and Saturdays. By next week, it is hoped that arrangements will be made whereby rowing apparatus can be installed in the basement of building 2. Practice on the machines will then be held twice a week and track work once. Still later on, the men will use the tank in the Newell Boat House at Harvard.

These arrangements have been made, primarily, to keep the men out for crew and to hold their interest. Experience has shown that machine work alone has proved too monotonous for some of the candidates. The running will not only relieve the tediousness, but also develop the wind of which is essential. When the Charles clears of ice, the men will meet at the B. A. A. Boat House.

No definite schedule has been drawn up to date, but races are pending with Harvard's class crews. The reason for this is due mainly, to a lack of interest on the part of the students. There are barely thirty freshmen out for crew and most of these are very light. There is an exceptional opportunity for men weighing in the vicinity of 160 pounds, whether they have had experience or not. There is still a misunderstanding about receiving numerals and substituting for physical training. Students who have passed their required gym work for the first term may take crew instead. It is now certain that a race between the four classes will be held Junior Week, and numerals will be awarded to the winners.

Mr. Stevens will again coach the crews and in view of the present plans the prospects for a good season loom up very brightly, with the result that outside races are very probable.

PROM COMMITTEE ELECTIONS

The following men were elected to the Prom Committee:

William H. Banks, Jr.,
Chairman, Ex-Officio
Robert P. Hackett
Charles W. Drew, Jr.
Everett F. Doten
Eugene R. Smoley
George G. Fleming

There will be a meeting of these men Monday, February 25, at 5.00 p. m. in room 10-275.

1889 ALUMNI UNDER ARMS

The War Service Auxilliary of Technology sets forth in its report for February the account of date of the M. I. T. former students who are in military or naval service. It is a splendid showing, including as it does 1869 men who are under arms. Of these 388 are in foreign service, 281 are in aviation and 366 are in the Navy. Young men who are officers in the regular army or the Officers Training Corps number 1409; enlisted men or non-commissioned officers 402 and inspectors and instructors 66. Besides these there are more than 2000 of these Technical men engaged in industries that are closely related to war.

COSMOPOLITAN CLUB

Combined Clubs of Harvard and
Technology to Meet

On Saturday evening, February 23, at 7:45 o'clock, the Cosmopolitan Clubs of Harvard and Technology will give an entertainment and dance in Walker Memorial. Because of the fact that no Harvard hall is large enough, Technology has offered Walker Memorial for the combined gathering.

As a part of the program L. Wolff, accompanied by B. S. Cohen will offer a violin solo, and Miss Constance De Ceon, accompanied by Miss Martin Green, will present some fancy dances. There will be a vocal solo by J. Grosa, accompanied by G. W. Allport. An address on Cosmopolitan Reminiscence will be delivered by J. B. Manch. K. L. Hsueh will entertain the gathering by a Chinese sword dance. Miss Esperanza Balmaseda will offer two recitations. A novelty in the form of a Russian dance will be presented by Miss Gertrude Barrish, and Miss Vernita C. Corbett will play several selections on the piano.

Refreshments will then be served after which the floor of the hall will be cleared for general dancing.

The president of the Technology Cosmopolitan Club is N. F. Alvarez '18, a native of Cuba, while the president of the Harvard Club is C. P. Chow.

The tickets are fifty cents per couple and may be obtained at the door.

P. F. NICHOLS HERE TO WORK UNDER MAJ. PRESCOTT

Paul F. Nichols, private in the medical department of the U. S. Army is carrying on laboratory investigations at the Institute under the direction of Major Prescott, concerning the preserving qualities of dehydrated vegetables. Mr. Nichols was a graduate student of course VII at Technology in 1917. After leaving the Institute he filled the position of assistant health officer at Summit, N. J. In October, 1917, he was drafted and sent to Camp Devens, where he served, first in the depot brigade, and later in the pathological laboratory at the base hospital. Early this month he was transferred to the food division of the Sanitary Corps and attached to the Surgeon General's office in Washington. On February 14 he received orders to report to Major Prescott at the Institute.

VOICE TRIALS FOR SHOW CHORUS START TUESDAY

All men who intend coming out for the chorus of Tech Show 1918 must attend the voice trials which will be held on Tuesday, February 26, at 5.00 o'clock in the Caf. The management states that attendance at these try-outs is very necessary, in order that rehearsals may be started in earnest shortly.

MR. YOUNG SPEAKS ON "SAFETY FIRST"

M. E. Society Hears Interesting
Lecture About Preventive
Measures Employed to Lessen
Number of Accidents

UNIQUE METHODS USED

One Tuesday evening the members of the Mechanical Engineering Society heard a very interesting lecture on "Safety First" delivered by A. H. Young of New York. Mr. Young is a director of the American Society for the Prevention of Accidents. He was also instrumental in founding the American Museum for Accident Prevention.

This "Safety First" movement was organized in 1912 with a membership of thirty-six men. By 1918 the number of members has increased to three thousand. The organization has been of such benefit to the workman that the City of New York has been fit to give them a building which has served to house their headquarters.

Mr. Young stated that he began his work of prevention of accidents with the South Chicago Steel Corporation in 1906. When he entered this concern, on the average of forty-six men were killed there every year. Mr. Young immediately set himself to the task of instituting means for the prevention of so many accidents. The results became evident when he stated that a decrease was shown in the fatalities among the workmen of that concern. Only thirty men were killed during the second year after the corporation had expended \$250,000. The lowest death rate was in 1913 when only four men were reported to have lost their lives. No more than seven deaths in a year are reported now.

This was only one instance of results of the campaign for the prevention of accidents instituted all over the country. There is now a committee which investigates the working conditions in concerns where too many accidents are occurring.

Mr. Young spoke in general about the various preventive measures now in vogue in large manufacturing houses where there are many chances for accidents to occur. The process is mainly one of an educational nature. Advertisement of a more radical type has been resorted to in order to attract the attention of the workmen. One of the many unique schemes originated by this investigating committee is that of having animated moving-pictures made. The purpose of these is to portray and make more vivid the possibilities of accident and the disastrous results inevitably arising from carelessness and lack of thought.

Characters personifying carelessness, indifference, and lack of thought are the principal actors in these movies. The preventive measures are equally emphasized in this novel method. Many of these films are now in the process of manufacture and are to be let out to the principal moving-picture houses.

The speaker stated that for every dollar expended for preventive measures, one dollar is saved. This dollar saved may be considered to be divided into the money saved from insurances and time and labor saved which would be lost if the men were disabled for a considerable length of time.

Refreshments were served when the meeting was over.

THE WOOP-GAROO

Owing to a misunderstanding in connection with the time of meeting for candidates, a second opportunity will be given those men wishing to try out for positions on the staff of The Woop-Garoo on Tuesday, February 26, at 5 o'clock in The Tech office. Men are wanted for the Art, News and Business Departments.

TWO THOUSAND MEN TO BE TRAINED IN BOSTON BY OCTOBER

Mr. James P. Monroe '82 Is Now in Boston
Investigating the Possibilities of Industrial
Education Here

TECHNOLOGY MAY NOT BE EFFECTED

Mr. James P. Monroe '82, vice-chairman of the Federal Board of Vocational Education, is at present in Boston with Army officials for the purpose of arranging for training of men as mechanics and skilled workmen in all branches of the Service. These men are to be trained in the various technical institutions of the country, and it is expected that the plan will be put into operation shortly.

Acting under authority of the War Education Board, the Federal Board for Vocational Education starts immediately upon the task of perfecting arrangements for training the mechanics needed for the aviation service, Signal Corps. It will put fourteen agents in the field to inspect and check up the resources of the technical schools and colleges at selected centers where large numbers of men can be trained and housed at once.

ATTORNEY EYGES ADDRESSES ENGLISH HIGH SCHOOL CLUB

Mr. Leon R. Eyges, a prominent Boston lawyer and former State's Attorney, addressed the English High School Club of Technology last Thursday evening on the subject of "Political and Legal Aspects of Government After the War." Mr. Eyges, who is a graduate of the English High School of the class of 1892, spoke of the probable conditions after the war and pointed out the many opportunities for college men.

T. Shedlovsky '19, the secretary of the Club, has arranged several interesting programs for coming meetings. Mr. Albert Hurwitz, a Boston attorney, will be the speaker at the meeting held on April 5. At the next meeting Professors Hall and Clifford, Mr. Snow of the English High School, and Registrar Humphreys all of whom are graduates of the high school, will address the men.

PRESCOTT TO TOUR

Major in Sanitary Corps Will
Visit Army Camps

Major S. C. Prescott of the Sanitary Corps of the National Army and Professor of Biology and Public Health at the Institute expects to leave here sometime next week for a tour of army cantonments throughout the southern and western part of the country. Major Prescott will inspect the conditions of food storage in these camps with a view to the prevention of waste through spoilage and will give such expert advice as may be desired regarding the methods of handling and conserving food.

His itinerary is as follows: Camp Greene, Charlotte, N. C.; Camp Wadsworth, Spartanburg, S. C.; Camp Sevier, Greenville, S. C.; Camp McClellan, Aniston, Ala.; Camp Johnston, Jacksonville, Fla.; Camp Sheridan, Montgomery, Ala.; Camp Shelby, Hattiesburg, Miss.; Camp Beauregard, Alexandria, La.; Camp Logan, Houston, Tex.; Camp MacArthur, Waco, Tex.; Camp Bowie, Fort Worth, Tex.; Camp Doniphan, Fort Sill, Okla.; Camp Cody, Deming, N. M.; Camp Kearny, San Diego, Cal.; Camp Fremont, Palo Alto, Cal.; Camp Lewis, American Lake, Wash. Nearly all of these are National Guard camps. Camp Johnston at Jacksonville, Fla., is a special training camp for Quartermasters. Camp Fremont is a Regular Army camp, and Camp Lewis is a National Army camp.

There are Institute men at a number of these camps, very likely in some official capacity in the zones surrounding the camps. Mr. Abele, a former student in the Institute School for Health Officers, is chief sanitary inspector at Camp McClellan. Frederick Bernard '17 is a Lieutenant at Camp Johnston. E. B. Johnson '16 is a sanitary inspector for the Red Cross at Camp Sheridan. S. Burrage '92, an officer in the public health service, is stationed in the zone surrounding Camp MacArthur. Major Prescott will endeavor to meet Technology men who are serving at any of the camps which he visits.

NOTICE.

Owing to the recent order of the fuel administrator abolishing the Monday holidays, from today on the regular Saturday schedule will be held on Saturday and the Monday classes on Monday.



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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

K. Roman '20.....Night Editor
G. Russell Steininger '21.....Assistant Night Editor

FRIDAY, FEBRUARY 22, 1918

OUR DUTY

FOR the first time in the history of our country, we are engaged in a war in which every citizen, regardless of sex, age, or geographical location, has a patriotic duty to perform. In all prior wars, the number of men engaged in actual fighting, as compared with the entire number of people in the civilized world, was very small, and all that was needed in the way of food, clothing, and munitions, could easily be supplied by those not engaged in active service, but now practically the whole civilized world is at war. More than twenty-five millions of men have been drawn from the army of producers and have become not only consumers, but members of a mighty army engaged in destroying not only human life, but food and property of all kinds. This means a world-wide shortage of food and all kinds of supplies necessary not only for the fighting man, but for the very existence of human life. Those of us who do not go to the front therefore, have a duty to perform just as plain as is the duty of the soldier fighting in the trenches. To keep our soldiers there, we must ECONOMIZE and SAVE. We must bend our energies to PRODUCE. This is just as important as to fight in the trenches. No citizen performs his duty who does not PRODUCE and SAVE. Our work is not so dangerous as the soldier's, but it is just as vitally important, and every individual must realize that he has a duty to perform, and that he lacks in patriotism if he does not perform it. In the broadest patriotic sense, every citizen is drafted in this war. Let our slogan be PRODUCE and SAVE. The man between the plow handles, and the woman in the kitchen, producing and saving, are just as important and just as necessary for the success of American arms, as is the soldier in the trenches.

G. W. NORRIS.

THE MUSICAL CLUB'S CONCERT

ON the assumption that the activities play an important part in the development of the college man, the colleges were advised to continue their non-academic functions as in other years so far as practicable. The idea was to interfere as little as possible with the complete education of the young men of America. Acting on this suggestion, Technology has continued her activities, and among these that of the Musical Clubs. The winter trip of these clubs was patriotically postponed on account of the difficulties of transportation, while instead the orchestra journeyed to Ayer and played for the benefit of the soldiers. Today and tomorrow, however, they will give concerts at Wellesley, and every man who does not attend will miss one of the finest entertainments of the year, to say nothing of the pleasurable environment. These concerts will afford men of the Institute an opportunity to endorse their approval of the existence of undergraduate activities, as well as to express their appreciation of the excellent work done by Musical Clubs, and every man is certainly anxious to do this.

Last Saturday's accident at Harvard Bridge brings to mind the speed with which motor cars are wont to pass the Institute buildings and cross the bridge. It is deplorable that further steps have not been taken to control the traffic here as the indifference of drivers is a constant menace to students. It is rare that a driver is considerate enough to stop when people alight from cars; instead they go tearing by at a rate of speed far exceeding the safety limit. Frequently, students have been kept from boarding cars because of the line of machines which passed incessantly between them and the car. Furthermore, the Harvard Bridge has been condemned, and the weight of four or five several ton trucks crossing the congested bridge at high speed is extremely dangerous to all in the immediate vicinity. Will automobile drivers never awake to the fact that reckless driving endangers other lives than their own?



The Question Box has been inaugurated for SERVICE. So many questions have arisen, and so many doubts have been expressed among both the student body and the Alumni about the relations of Technology and Technologists to the war, that the WAR TIME TECH has deemed it advisable to establish a medium for clearing up these difficulties. It is strongly desired that neither the Alumni nor the undergraduates will hesitate to send in any questions that concern them directly or any that they think will be of benefit to Technology in common.

Address all inquiries to The Question Box Editor, The Tech. The name of the questioner will be withheld from publication, but each letter must be signed.

The Question Box is for YOU personally. Be sure you use it!

The Question Box Editor,
The Tech,
Dear Sir:—

I am very much interested in the shipping-board training schools. I wish that you would kindly answer the following questions:

What is the average length of time that a man is in training?

How soon after he is through his training is he able to earn a salary?

About what is the average salary for the man just graduating?

Yours very truly,
G. J. M. '08.

The School for Naval Officers maintained by the Shipping Board is open to men who can present certificate showing two years' experience at sea.

Admission to this school must be made by application to the local inspector of steamboats.

The time required for training is about six weeks, and during that time the men receive no pay. However, they are under no expenses except for their board.

At the completion of the course, the men must pass an examination given by the local inspectors for licenses. Those men with two years' experience are eligible for positions as third officers with salaries ranging from \$100. to \$250. per month, immediately upon the completion of the course.

Those men with three years' experience are eligible for positions as second officers with salaries ranging from \$200 to \$250; and those having more extended experience may obtain masters' licenses with salaries from \$250. up. In addition to these salaries such men as enter trans-Atlantic service receive a war bonus.

Application for admission to the School for Seamen should be made to the Recruiting Office in the United States Shipping Board, Boston Custom House. No previous experience is required. They receive small pay while obtaining their training, and upon graduation they receive positions according to their abilities and with corresponding salaries. These men also receive a war bonus for trans-Atlantic service.



WASHINGTON—"Wear tights!" queried the indignant heroine, never!—And so it was discovered that Washington men are modest; for it was a male person who had been chosen to take the leading lady's part in the musical comedy, "Kicking Kate," who spoke thus: The male chorus followed, and now the author and the producer are tearing their hair to convince the strikers that a musical comedy without tights is worse than pancakes without syrup.

WASHINGTON—The head of the department of chemistry has accepted a commission in the gas and flame division of the U. S. Army and has already left for active service. Capt. Byers' ability as chemist was not the only reason for his selection, his executive ability being one of the strong points to recommend him. He has been stationed at Fort Meyer, Va.

WASHINGTON—The University of Washington News Letter makes an interesting and at the same time startling announcement to the effect that of 320 Americans who have died in the service since April, only twenty-seven had war risk insurance. The families of the uninsured will receive an automatic insurance from the government, but the government would gladly have provided a much larger sum for them at small cost. The University of Washington is furthering an educational campaign upon the subject at present, with

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the hope that unnecessary suffering may be avoided.
KANSAS—Add bright sayings of the college newspaper from the University Daily Kansan: "When it comes to effectually blocking a sidewalk, barbed wire entanglements have nothing on three or four co-eds walking with locked arms."
KANSAS—An interesting arrangement is used at Kansas to avoid the ordinary rush and confusion at registration. A lottery is held for all except the senior class, and the number which one draws in the lottery determines in what order that person may register. Inasmuch as the drawing is held previous to the finals, the student does not have to return to register until his number is due.
McGILL—A McGill student in service with the Royal Flying Corps on the Mesopotamian front has sent an interesting snap-shot to the McGill Dailey, showing a modernized edition of the ancient tub-shaped "goofa" or ferry propelled by poles, used by the natives along the Tigris. The "Tommies" could not get enough speed out of the old tubs with the poling method and so they have converted them into "side-whiskers," the motive power being produced by a cranking process.
McGILL—Word has been received at Montreal of the awarding of the Military Cross to two more McGill men overseas. They are Capt. Austin Irvine and Capt. Maurice Pope, and both were cited for gallantry in action.
WISCONSIN—Between 2500 and 5000 drafted men will be stationed on the campus for training this spring and summer, if present plans mature. They will study in the university laboratories shops and class-rooms some of the technical work for their military service calls. They will probably live in temporary barracks, and of course be in uniform and on government pay. It is probable that a similar plan will be

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G. D. Camp, '16, Lieut. E. O. R. C.
H. P. Clausen, '16, Ensign, U. S. N. R. F. Ordnance
J. R. Hunneman, '16, Lieut. E. O. R. C.
T. W. Little, '16, Lieut. U. S. R., Ordnance
J. M. Phillips, ex-'16, Priv., 128 U. S. F. A.
W. Wareham, '16, 2nd Lieut. Coast Artillery

carried out at each of several universities which have been approached on this matter by the government so far.

WISCONSIN—Forty-four men enrolled with Lieut. B. C. Getzinger in the Naval Reserve unit which is being formed at Madison. The men will be enabled to continue their university work until April regardless of the draft, and then will undergo intensive training at some training station in preparation for their assignments to service as ensigns in the Navy.

WISCONSIN—Exactly 389 members of the faculty at Wisconsin have signed the protest, "against those utterances and actions of Senator Robert M. La Follette which have given aid and com-



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FOR SALE—A 1917 Metz roadster in good condition for \$250. Apply at The Tech office or E. D. Sewall, Rm. 3-236.

CORRECTION

In the issue of The Tech of the date February 6th, there appeared the article "J. B. Rollins '11 Succeeds J. P. Dunroe." This should be "James W. Rollins '78."

fort to Germany and her allies in the present war," which has recently been circulating on the campus. This number represents ninety-three percent of the faculty members of the rank of instructor or above who are at present residing in Madison.

CALIFORNIA—Whether military uniforms shall be worn every day by the university cadet regiment or not is a burning question just at present on the campus at Berkeley. The decision rests with the student officers and an announcement will soon be made in the form of an order from the military department.

IOWA—After some discussion and much talk of war economy, it has been definitely decided to hold the junior prom as usual this year, the date having been set for March 15. The ticket sale is to be limited to 150, and the party is to be held in the armory.

IOWA—After several trials, refreshments have been discontinued at university dances as a matter of war-time economy. No formal parties are being planned this year for similar reasons.

GEORGIA—A "Greater Tech" campaign has been launched at Atlanta with the aid of some of the ablest industrial and educational heads in the south. The object of the drive is the raising of \$500,000 for the completion and equipment of the power plant and the erection of a building to house a research department.

YALE—Following the lead of some of the other eastern universities which have since dropped their rigorous non-competitive teams adopted at the declaration of war last spring, Yale is to have a "formal" baseball team this year, instead of the "informal" nine planned. Candidates for both freshman and varsity squads will be called out this week.

YALE—A falling off of membership due to the departure of graduates for active service has caused the merger of the Yale and Princeton clubs of New York City. Plans for a union have been effected and it is probable that the Yale club house on Madison avenue will be used jointly.

YALE—Yale men are prominent in the establishment of the American Hero Fund, a war charity originally founded by the earnings of the "Plattsburger." It has for its aim the education of the children of American Army officers killed in action. It is probable that an active campaign will be planned and carried out for the furtherance of this extremely worthy charity.

Texas A. AND M.—If present plans can be carried out, a full regiment of cavalry will soon be offered to the nation through the governor of Texas. The full enlisted strength would be from the ranks of A. and M. alumni and undergraduates, and the offer is to be made as soon as the governor is authorized by the war department to raise another increment of the National Guard.

TEAS—Intramural sports at Texas are occupying a prominent place in athletics this year. Inter-class, interfraternity and inter-dormitory basketball tournaments are being staged at present, with enthusiastic support from all participants.

DARTMOUTH—A seventh name has been added to Dartmouth's roll of honor with the death of C. A. Hopkins '20, with the aviation section of the American expeditionary forces. Hopkins was a cadet in the instruction detachment, which he had entered after an honorable discharge in October from the ambulance service. His death was the result of an accident while on a trial trip.

CARLETON—A furious scarlet fever epidemic has hit Northfield, claiming thirty Carleton men as its victims, with the result that Coach Buck has had to turn the gymnasium into a hospital and call off practically all athletics for a period of six weeks or more. Latest reports show that the epidemic is spreading rapidly, although strenuous efforts are being made to isolate all cases and thus prevent its spreading.

OHIO STATE—A "War Chest" to supply the demand for all contributions for war charities for the year 1918 is being rapidly filled through the efforts of the faculty and student teams at Ohio, almost \$4,000 having been pledged toward the \$550,000 total during the first few days of the campaign. If the campaign is successful, no more soliciting will be necessary this year, as different

TECHNOLOGY WAR SERVICE AUXILIARY IS ACCOMPLISHING EXCELLENT WORK

**Sends to the Institute Men in Service Many Luxuries
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Knitted Clothing**

From the first undoubtedly the most pressing piece of work to be done by the Auxiliary has been the card catalogue of Technology men in service, with their grades, branch of service, present location, and the name and address of the nearest relative. In the effort to get these facts correct, every least clue is followed up, and constant reference is made to the list in the alumni office, THE TECH list, and that in the Technology Bureau in Paris. No wonder the upkeep of this list now occupies the whole time of one person, who furthermore must often have assistance.

The men on this card catalogue often get in touch with the Auxiliary, first through being asked to fill out their card. From this beginning or from the folder, explaining the purpose of the Auxiliary and of the Technology Bureau and offering assistance of various sorts, a man presently realizes that his well-being is a matter of solicitude to a group of people other than the Government and his family,—people who can serve him often more efficiently than his family and yet with a similarly personal interest. If he has had the good fortune at any time to be at the Auxiliary Headquarters and to talk with the friendly workers there, who plainly do not intend to forget him, he does not need the final assurance of knitted clothing, comfort kit, or books to convince him that Technology, heretofore apparently a somewhat cold though admirable personality, is one of the best friends he has in the world.

Here are some of their written expressions of this feeling:

Says a young lieutenant: "The comfort kit was just a dandy. I do not see how you people could think of all the nice things which were included. The little personal touch, which included postal cards, a Christmas card, and newspaper clippings showing the New Technology Buildings, made the gift most acceptable."

Another says: "Several of my fellow officers were present when the package came and you can be sure we lost no time in opening it up. When we had everything laid out on my bunk, they wanted to know where all of it came from. Of course that was my chance to tell them about M. I. T. and her war activities and great future, and you bet I tried to do her justice. But what convinced them was this kit from the women of M. I. T."

A private writes: "At first I hesitated somewhat about asking anything from the Auxiliary, as I had never asked for anything before in my life. However, after reading your letter, I now realize the true purpose and spirit of the organization and I feel that in any future time of need I may quickly call for aid and know there is a splendid organization to back up all Technology men."

Naturally these boys are eager to spread the good news and to supply the Auxiliary when they can with names and addresses of other Institute men in service.

If the young soldiers are thus heartened and assured by the sense of Technology's watchful care, one may easily guess the gratitude of their families.

relief units will draw alike from the war chest.

CORNELL—Temporary combinations of Varsity and freshmen crew candidates have been selected and are now working daily in the crew room in the gymnasium. They will be outside as soon as the weather permits.

HARVARD—The prospects of a Yale-Harvard crew race in June are very dubious, according to Fred W. Moore, graduate manager of the Harvard A. A. Lack of interest and the possibility that there may not be enough eligible upperclassmen by that date to make an eight-oared crew are given as the reasons for discontinuing that regatta which has lined the banks of the Thames at New London, Conn., with a hundred thousand spectators.

COLUMBUS—J. D. Kennedy '19, has been elected to captain next year's varsity football team at Columbia. As Kennedy is a member of the Naval Reserve, it is doubtful whether he will be able to return next fall or not.

OKLAHOMA—The greatest number of points piled up by a single college basketball team in one game so far this season seems to have been in the Oklahoma-Southeastern State Normal game, wherein the former garnered 116 to their opponents' 13.

Not only are they happy in knowing what is being done for the boy, if he goes to France, they themselves receive notice, through the Technology Bureau and the Auxiliary, of his turning up at the Union. This method saves money and increases the sense of cooperation. Fathers, mothers, wives, sisters write with eager enthusiasm, and often offer to keep the good work in any way they can. Not infrequently comes a longer letter, appreciative of what Technology has done for the boy in the past and full of gratitude for this latest proof that she regards him as indeed her son. A mother quotes her young officer's last letter from France: he has not given up his plan of going back to Tech: "I never realized until now how very much I love my work." A father reports from his son, a lieutenant in the coast artillery, who is completing his training in England: "his great expectations as to the contribution of the Massachusetts Institute of Technology to the cause in which we are so vitally interested. He is enthusiastic about your great institution, and I am indeed gratified at the preparation he there received not simply for general usefulness, but especially for service to his country in its present need."

"Your very great work in behalf of these boys while engaged in Foreign Service is a source of immense satisfaction to fond parents throughout the Union, and especially are our women, the mothers of these young men, profoundly touched by your loyalty and interest, so timely, so helpful."

Proof of the confidence in the Auxiliary felt by these relatives is given daily by the increasing number of them who apply for help in a dozen different ways. The motto of Headquarters is a friendly reception to every inquirer; and no matter how unnecessary the question or how much outside the scope of the office work, the letter is answered cordially, the troubled visitor gets assistance and goes away as from a group of friends. A problem beyond its own solving the Auxiliary promptly turns over to the agency best fitted to handle it; when a request is made for a large quantity of things that the Red Cross can provide, it suggests to the local Red Cross on the spot to supply them; when the mother of a Harvard man comes in to ask how she can find out whether her boy has reached France, she is told about the University Union in Paris and is directed to the Harvard office in charge of the service registry; and so on, through other appeals too numerous and varied to mention.

When one understands what the M. I. T. Auxiliary is doing, one is not surprised at the testimony that constantly comes in to the effect that Technology is leading in this kind of work. "The work that is being done is far above any college war organization of service which I have heard of," writes a graduate, "and being in close touch with men representing all colleges in the East, I am certain of my opinion." Our work will be copied by other colleges and will itself go on developing and increasing as long as the war lasts. The hand must not be taken from the plough.

PURDUE—"While there's life there's hope" seems to be the Purdue basketball slogan, for with the decisive victory over Chicago, the Boilermakers are becoming hopeful once more of annexing the championship. There can be no doubt that Purdue has a scrappy five and may throw a monkey-wrench into the gears before the end of the season.

PRINCETON—Under the modest title of "Green Fruit," Lieut. J. P. Bishop of the class of '17 has produced the first fruits of the new interest in poetry which has manifested itself at Princeton during the past four or five years. His book of verses, although dealing principally with actualities, "Nassau Inn" and "Campbell Hall" for example, is nevertheless interesting for the casual reader, and is heralded as a splendid achievement for one so young in the work.

PRINCETON—Last week the twenty-fifth "birthday" of the honor system in examinations was celebrated at Princeton. The faculty has been well pleased with the spirit in which the system has been fostered and upheld by the student body and it has come to be a tradition that no student betrays the trust placed in him. The system has proven a distinct success.

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FRESHMAN TEAM PICKED FROM RECENT BOUTS

Some good bouts were the result of the freshman tryouts held in the Walker Memorial last Saturday night, who also assisted as judges, gave an exhibition match while the freshmen wrestlers were resting up for the finals.

The first bout between C. A. Johnson and Forbes, settled the championship for the 115 lb. class, giving Johnson his place on the freshman team. Acosta defeated Tucker, and Arigoni was able to throw Moore; so that the championship for the 125 lb. class lay between these two. After a sufficient rest the contestants entered the ring for one of the best bouts of the meet in which Arigoni succeeded in getting a body scissors and so defeated Acosta in five minutes and fifty-seven seconds.

For the 135 lb. class Gordon threw Rowell and in another bout Barker won from Buckner in the shortest time of the evening. Later Gordon settled the championship of the class by defeating Barker. Ramsey threw both R. C. Johnson and Whelan in two well-fought struggles for the 145 class. Dato, the 155 pound man distinguished himself by gaining the decision over Rosenfield after ten minutes of hard work and later by wrestling a double match with McDonald in which the judges gave him the decision by a very close margin. Captain Giles was very well pleased with the form and the material and said that great credit was due to coach Gracey for the splendid showing that the squad showed as a whole.

OUR DUTY TO OUR CITIZEN ARMY

To me the most amazing social change which the war has brought about is the transformation of our army from a small command of miscellaneous volunteers into a gigantic union of the fighting citizens of the Nation. More than a million men, selected for their youth, their courage, and their virility are to present America to Europe in the guise of warriors, and in all the pictures which we have been permitted to see of them they are so unmistakably of the New World that only a glance is needed to distinguish them from a group of French or British soldiers, fine, upstanding though they may be.

Our army is a citizen army. It is composed of our brothers, our cousins and our sons. Nothing like it has been seen in America even in the days of Sixty One, for at that time the volunteer system alone determined the service. The American Army in France is ourselves in khaki. All classes are represented. It is entirely democratic in its personnel and in its spirit. It is an army to be proud of and to be cared for. It is far from home and it will not be strange if many of the boys become homesick—especially if the winter campaign settles down to a dreary siege in the trenches.

To lighten this gloomy routine, to maintain a close and hearty interest in this body of American citizens detailed for special duty, to support them not merely with munitions of war but with those supplies in which we can put pure admiration, our gratitude and our love is our duty—a duty which we should grasp as a privilege. Our men will be none the less warriors because we remember them with letters and gifts. They are carrying our burdens, upholding our honor—and I for one desire to express as best I can the deep personal obligation I owe the youth who has taken my place in the ranks. I want him to know my feeling. I want him to know that so far as my means and strength will allow I intend to back him up in his cheerful and splendid service.

To help him in his hours of recreation is almost as essential as to see that he is properly cared for in the field. We have the right to make his burden as light as we can and he has the right to receive whatsoever we can do in this spirit. Our men cannot all come back to us but my wish is that those who do may be greatly emboldened by their battles, as we should greatly gain by the sacrifices which we are willing to make for them.

HAMLIN GARLAND.

TECH MEN IN WAR SERVICE

Class of 1887
G. O. DRAPER, Capt., U. S. R.
Class of 1893
S. EDGAR WHITAKER, Maj., Progress Section, Ord. Dept., Wash.
Class of 1906
HOLDEN C. RICHARDSON, Asst. Nav. Constr., Navy Dept., Wash.
Class of 1907
ROY W. RYDEN, Nav. Constr., U. S. N., Wash.
ALEX. H. VAN KEUREN, Constr. Cps., U. S. N., Wash.
Class of 1909
ARTHUR M. ROSENBLATT, 1st Lt., Co. 3, 33rd Engrs. Camp Devens.
Class of 1911
JOHN J. HARTY, JR., Capt., O. R. C. Springfield, Mass.

STUDENT BRANCH OF A. I. E. E. HEARS TALK UPON ELECTRICAL PHENOMENA

Professor Franklin of Institute Showed Many Interesting Experiments on Properties of Electrical Circuits

Last Tuesday evening Professor Franklin of the Electrical Department of the Institute gave a talk before about thirty members of the student branch of A. I. E. E., on the methods by which phenomena occurring in electrical circuits may be physically and mechanically portrayed on laboratory apparatus. Professor Franklin has given this lecture before about thirty-five eastern colleges in addition to several sections of the American Institute of Electrical Engineers, having carried on for the past six years a scientific research on electrical activity. Much of his work was done while at Lehigh University, where he was a professor of physics. The lecture has been edited and printed as a part of the Franklin-Estey Series of references on electrical engineering.

The lecture given by Professor Franklin was one radically different from the general run of electrical talks which the Society has heard because of the unique manner in which the subject under discussion was brought out by the speaker. The chief manner in which the points of the lecture were made evident was by mechanical devices of several sorts which gave those present a clear view of the various phenomena which take place in and between circuits.

The comparisons which Professor Franklin carried on throughout the lecture were between the properties of electrical circuits and those of mechanical apparatus. Among these, inductance was represented by inertia, electromotive force by mechanical force, and capacity by elasticity. Those formulae which are used in mechanical work are thus found accurately applicable to electrical measurement of all types. This possibility of the interchangeability of mechanical and electrical formulae has made feasible the solution of many practical problems which have been considered impossible mathematically. One example of this may be seen in the manipulation of triple circuit formulae, a feat hitherto considered mathematically impossible, but which Professor Franklin has made simple by the direct transference of mechanical observations to electrical figuration.

One very astonishing experiment, carried out by the lecturer was the practical demonstration of the current lag and advance affected by the introduction of inductances and capacities into a circuit. A telephone conversation and the transmission of a telegraph message may be affected over the same wire at the same time by means of a parallel connection of a telephone receiver in series with a capacity, and a telegraph sounder in series with an inductance. This feat is made possible because there are sent over the single wire two non-interfering currents, a high frequency high voltage one, audible only in the telephone circuit, and a low frequency low voltage one, affecting only the telegraph circuit. Professor Franklin illustrated this feat by a mechanical device having springs in the place of capacity, weights in the place of inductance, and the force exerted by his arm in the place of the electromotive force. By varying the tension on the springs and the amounts of the weights, and by exerting the force in a steady or a jerky motion to illustrate the frequency, the vibration on different parts of the apparatus could be altered at will. This method of communication is used at present on the Pennsylvania Railroad with great success.

The principle of the transformer was also brought out very strikingly by a long metal rod with a fixed iron weight near to one end. One of the men of the society held the end of the shorter lever thus formed while Professor Franklin held the end of the longer lever. Putting but very little force upon the long lever while swinging it through a large arc, Professor Franklin showed how the weight acted as a fulcrum due to its inertia, and caused the short lever to be moved in a very short arc but with considerable force; enough to even twist the student from his balance. The length of the arc portrayed the voltage and the force of the twist on the end of the lever showed the current. When the load was removed, that is to say when the short lever was held stationary, the end of the long lever could be swung through only a very small arc with great difficulty, corresponding to the slight current consumed to magnetize the transformer.

Other mechanical analogs of electrical circuits, as these devices are called, illustrated the variation of inductance and capacity to obtain resonance, the transference of energy in coupled circuits, and the action of the quenched spark gap in wireless telegraphy. The last is a very practical device, much used in commercial wireless communication, and proved to be of great interest.

The talk was supplemented by a short discussion, the meeting being adjourned at half past eight. The society has adopted a new plan in reference to its meeting which is now in vogue, by which it is planned to start the lectures early and end correspondingly early, in order to give the members of the society ample opportunity to take advantage of early car service.

Next week "Nat" Brush, president of the Boston Elevated Company, will address the society informally at a smoker. Mr. Brush is a graduate of Technology and has succeeded to his present high position chiefly through perseverance and initiative. He has devised an original system of tabulating those persons with whom he is in contact by a complete card filing system, thus having the record of all the men with whom he is at all liable to transact business. This and many other similar methods has placed Mr. Brush in the responsible position which he now holds.

It is important that all the members of the society attend this smoker, as preliminary elections are to be held for the officers of next year. The officers of the society have arranged an elaborate layout of refreshments to be served after the meeting.

KEEP QUIET

How long would an American-German, thinking and talking pro-Americanism, be tolerated in Berlin? How long would a German, thinking and talking anti-Austrianism, be tolerated in Munich? If you who read this were in Germany today, would you expect to be allowed to talk against Germany simply because you were an American? Would you not be profoundly grateful to be permitted to remain alive and keep your mouth shut? If America is not united for the war, it is, at least, to be hoped that from now on no human being in America will talk sedition. There are two possible sorts of human beings in America today—foreigners and citizens. Of these it is the duty of citizens to be loyal; foreigners will be taken care of as they deserve, according to their actions. There is a third variety of human being in America—an impossible sort—citizen and disloyal. In time of war such a creature is as unimaginable as an atheistic Christian. I cannot imagine, in time of war, how any being can be at once citizen and disloyal. Any German in Germany, talking disloyalty to Germany, would be placed against a wall and shot. If you can't talk for America, keep your fool mouth shut.

ELLIS PARKER BUTLER.

ADVERTISING COMPETITIONS WILL START NEXT MONDAY

The Most Capable Men Will Be Given Position On The Staff

On Monday, February, The Tech will open a special competition for positions on the Advertising Staff of the paper. This competition will be open to members of all classes, and is intended especially to enable Junior Freshmen to come out for The Tech. No previous experience in getting advertising will be necessary in order to enter the competition. Those interested should report in The Tech office, in the Activities Building on Massachusetts avenue, opposite the Coop, on Monday afternoon at 5 o'clock.

The competition will last for about two months, at the end of which time those men who have proved the most efficient will receive positions on the staff while the remaining men will enter a second competition and may be placed on the staff later.

Owing to the fact that a large number of men have left the department to enter the service, there are excellent opportunities for rapid advancement. Never in the history of The Tech has a man with the capability had more chance to make good than at the present time.

FINE ARTS TALK

The regular Sunday talk which is scheduled to be held at the Museum of Fine Arts, Sunday, February 24, should prove to be very interesting to all Institute students attending, inasmuch as the principal speaker is a member of the faculty here. Professor Henry L. Seaver of the English Department will speak on two portraits of Washington in Gallery VI of the Evans Memorial Galleries at 3:45 p.m. Previous to the lecture Mrs. Dana Fitz Dow will meet visitors in the Tapestry Gallery at 3 p.m. Informal guidance will be furnished to visitors on each Sunday by Mrs. Whitmore who will conduct small groups through the galleries at 2:30, 3:15 and 4:00 p.m.

JOHN RITCHIE, JR., TO SPEAK BEFORE RETAIL CREDIT MEN

On Wednesday evening, Feb. 27, John Ritchie, Jr., of the Institute, will tell the members of the Retail Credit Men's Association at a meeting to be held at the Thorndike how closely the normal instruction in technical institutions suits the vital needs of modern warfare. The other speaker will be Mr. Howard B. Gill, secretary of the Massachusetts State Board of Trade. Mr. Gill will consider some one of the topics in connection with the commercial development of Boston and Massachusetts.


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